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BOARD OF OIL AND GAS CONSERVATION
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Vol. XXVIII No. 2 — 4 — February, 1979

PRODUCTION STATUS

Production of crude oil and condensate from the oil and gas areas of Montana for the month of February, 1979 averaged 75,337 barrels daily, a decrease of 3,578 barrels from the average 78,915 production in January, 1979.

The six refineries in the state processed 145,829 barrels of crude oil daily for the month of February, 1979, an increase of 12,616 barrels from the 133,213 barrels processed daily during the month of January, 1979.

During February, 85 wells were completed, 14 oil, 43 gas, and 28 dry holes.

During February, the board issued 36 permits to drill new wells, a decrease of 2 from the 38 permits issued during January, 1979.

SUMMARY OF CRUDE PRODUCTION, REFINING, STORAGE, ETC., IN MONTANA MONTH OF FEBRUARY, 1979

IN STORAGE: FEBRUARY 1st	
By Producers	402,396
By Transporters	1,449,574
By Refiners	1,693,174
TOTAL STORAGE	3,545,144
Produced in Mont. During Month	2,109,432
Imported During Month	3,276,287
TOTAL	8,930,863
DISPOSITION	
Refined in Montana	4,083,216
Exported	1,420,741
Used For Fuel or Lost	17,350
TOTAL	5,521,307
IN STORAGE: FEBRUARY 28th	
By Producers	418,948
By Transporters	1,437,673
By Refiners	1,552,935
TOTAL STORAGE	3,409,556

REFINERS MONTHLY REPORT FEBRUARY, 1979

Company	Beginning Storage	Montana Crude Oil	N. Dakota Crude Oil	Wyoming Crude Oil	Canada Crude Oil	Refined	Ending Storage
Continental Oil Co.	298,243	227,262	—	283,861	717,600	1,345,422	181,544
Exxon Company	160,337	41,867	—	725,857	516,640	1,232,009	212,692
Farmers Union	1,191,877	67,512	—	284,013	663,238	1,083,850	1,122,790
Kenco Refining	19,443	96,634	1,264	—	—	106,727	10,614
Phillips Petroleum	6,760	97,850	—	—	83,814	180,859	7,565
Wesco Refining Co.	16,514	135,565	—	—	—	134,349	17,730
Totals	1,693,174	666,690	1,264	1,293,731	1,981,292	4,083,216	1,552,935

	AVERAGE BARRELS RECEIVED PER DAY					PERCENTAGE OF CRUDE OIL RECEIVED			
	Montana	N. Dakota	Wyoming	Canada	Total	Montana	N. Dakota	Wyoming	Canada
Year, 1978	24,240	190	47,982	58,545	130,957	18.51%	.14%	36.64%	44.71%
February, 1978	21,756	310	51,665	47,490	121,221	17.95%	.26%	42.62%	39.17%
February, 1979	23,810	45	46,205	70,761	140,821	16.91%	.03%	32.81%	50.25%

PRODUCERS' REPORT—MONTH OF FEBRUARY, 1979

Leases	Field	No. of Wells	Storage First of Month	Oil Produced	Oil Shipped	Used or Lost	Storage End of Month
1	Anvil	1	946	11,365	10,159	—	2,152
5	Arch Apex	6	2,806	863	2,093	—	1,576
2	Ash Creek	3	573	544	490	—	627
1	Bainville	1	3,250	10	—	—	3,260
1	Bainville, West	1	659	857	542	—	974
3	Bannatyne	6	829	135	240	—	724
6	Bears Den	7	2,477	845	1,841	—	1,481
15	Bell Creek	158	14,788	440,476	438,914	—	16,350
—	Benrud	—	326	—	—	—	326
2	Benrud, East	2	1,177	6,938	6,520	—	1,595
1	Benrud, Northeast	1	1,335	807	882	—	1,260
1	Berthelote	1	554	60	—	—	614
2	Big Gully	2	318	597	342	—	573
—	Big Gully, North	—	489	—	—	—	489
3	Big Muddy Creek	3	2,234	2,683	2,060	—	2,857
4	Big Wall	11	1,406	8,991	8,985	—	1,412
1	Big Wall, North	1	385	95	—	—	480
1	Blackfoot	6	365	1,390	1,345	—	410
1	Blue Hill	1	1,036	979	879	—	1,136
4	Border	4	1,224	407	391	—	1,240
1	Boulder	1	575	215	—	—	790
1	Bowes	47	4,284	8,623	8,352	—	4,555
1	Bradley	1	883	392	663	—	612
—	Breed Creek	—	133	—	—	—	133
4	Brorson-Madison	5	2,581	2,146	2,346	—	2,381
3	Brorson-Red River	3	4,698	152	—	17	4,833
3	Brorson-Red River, S.	3	3,150	6,178	5,849	—	3,479
3	Brorson, South East	3	2,022	987	1,250	—	1,759
5	Brush Lake	5	790	7,342	7,269	—	863
2	Burns Creek	2	833	1,625	1,396	—	1,062
2	Cabin Creek	86	—	120,440	120,440	—	—
2	Canal	2	1,939	2,450	2,300	—	2,089
2	Carlyle	2	1,345	1,434	2,077	—	702
10	Cat Creek	52	1,802	6,400	6,207	—	1,995
2	Charlie Creek	2	818	11,169	11,071	—	916
1	Clark's Fork	1	118	49	—	—	167
—	Clark's Fork, North	—	742	—	—	—	742
—	Clark's Fork, South	—	1,289	—	—	—	1,289
6	Clear Lake	6	1,775	14,834	13,690	—	2,919
1	Colored Canyon	1	395	4,645	4,520	—	520
—	Conrad, South	—	90	—	—	—	90
1	Cow Creek	1	196	194	—	—	390
9	Cow Creek, East	11	4,760	12,468	12,192	—	5,036
2	Culbertson	2	2,218	6,340	7,073	—	1,485
8	Cupton	8	4,936	7,408	7,949	427	3,968
83	Cut Bank	864	40,032	108,389	105,117	(28)	43,332
1	Dagmar	2	848	4,661	4,419	—	1,090
—	Dean Dome	—	418	—	—	—	418
1	Deer Creek	1	659	522	486	—	695
—	Delphia	—	129	—	—	—	129
—	Devils Basin	—	114	—	—	—	114
5	Dry Creek	5	1,297	1,082	1,194	—	1,185
2	Dwyer	10	3,503	11,801	10,452	—	4,852
2	Eagle	2	962	2,161	2,057	—	1,066
3	Elk Basin	44	482	70,843	70,808	—	517
1	Elk Basin, Northwest	2	1,199	10	10	—	1,199
5	Fairview	9	8,105	14,709	16,014	—	6,800
1	Fertile Prairie	1	580	570	570	—	580
3	Flat Coulee	19	1,561	11,272	11,354	—	1,479
6	Flat Lake	46	3,396	39,683	39,596	—	3,483
4	Flat Lake, South	4	1,280	2,395	2,428	—	1,247
2	Fort Gilbert	3	647	3,696	3,617	—	726
1	Four Mile Creek	1	742	4,999	4,527	—	1,214
2	Four Mile Creek, West	2	1,607	5,632	5,366	—	1,873
1	Fox Creek	1	713	3,236	3,142	—	807
1	Fox Creek, North	1	1,244	276	216	—	1,304
1	Frannie	1	—	476	476	—	—
10	Fred & George Creek	31	4,294	30,837	31,470	—	3,661
1	Froid, South	1	409	589	290	—	708
—	Gage	—	153	—	—	—	153
3	Gas City	10	2,600	5,607	6,468	—	1,739
—	Girard	—	1,275	—	—	—	1,275
10	Glendive	13	1,608	14,153	13,542	—	2,219
—	Golden Dome	—	331	—	—	—	331
12	Goose Lake	19	4,159	14,643	15,278	—	3,524
10	Graben Coulee	36	5,240	2,967	2,546	—	5,661
1	Grandview, East	1	172	238	233	—	177
2	Gumbo Ridge	3	991	707	203	—	1,495
3	Gypsy Basin	6	2,135	879	469	664	1,881
1	Hay Creek-Mission	1	319	912	846	—	385
2	Hay Creek-Red River	2	1,572	2,192	2,015	—	1,749
3	Hiawatha	3	4,063	2,794	4,500	—	2,357
—	Hibbard	—	724	—	—	—	724
7	High Five	13	2,721	16,950	16,816	—	2,855
—	Highview	—	202	—	—	—	202
—	Horse Creek	—	832	—	—	—	832
2	Howard Coulee	2	753	1,510	808	—	1,455
4	Ivanhoe	10	2,241	1,675	2,456	—	1,460
—	Jackass Butte	—	514	—	—	—	514
1	Jim Coulee	14	2,167	18,170	17,256	—	3,081
4	Keg Coulee	13	5,288	13,028	13,318	24	4,974
3	Keg Coulee, North	3	1,376	1,486	662	14	2,186
1	Kelley	2	1,108	815	436	—	1,487
60	Kevin Sunburst	345	21,728	15,050	20,653	—	16,125
1	Laird Creek	7	1,016	579	564	—	1,031
4	Leary	4	1,773	1,953	1,688	(3)	2,041
1	Little Beaver	22	120	29,293	29,293	—	120
2	Little Beaver, East	9	2,084	9,148	8,773	—	2,459
14	Little Wall Creek	17	5,133	13,098	11,925	9	6,297

PRODUCERS' REPORT—MONTH OF FEBRUARY, 1979—(Continued)

Leases	Field	No. of Wells	Storage First of Month	Oil Produced	Oil Shipped	Used or Lost	Storage End of Month
1	Lodge Grass	1	976	585	518	—	1,043
2	Lone Butte	2	1,594	2,455	2,995	—	1,054
6	Lonetree Creek	6	4,812	12,760	13,411	—	4,161
1	Long Creek	1	217	461	471	—	207
2	Long Creek, West	2	999	3,933	4,032	—	900
3	Lookout Butte (Coral Creek)	29	670	42,142	42,098	—	714
5	Mason Lake	6	1,402	12,883	12,845	—	1,440
—	Mason Lake, North	—	54	—	—	—	54
1	McCabe	1	74	2,883	2,438	—	519
3	Melstone	7	1,847	10,394	10,037	—	2,204
1	Mineral Bench	1	326	331	—	—	657
—	Miners Coulee	—	782	—	—	—	782
19	Mon Dak West	19	13,426	85,030	82,114	—	16,342
8	Monarch	14	2,929	9,297	9,270	—	2,956
2	Mosser	8	—	361	361	—	—
1	Nohly	2	959	5,190	5,510	—	639
1	North Fork	2	534	3,363	3,348	—	549
2	Otis Creek	2	2,796	3,723	3,964	—	2,555
4	Outlook	4	1,303	4,703	4,177	—	1,829
1	Outlook, South	1	1,136	560	—	—	1,696
—	Outlook, West	—	1,823	—	—	—	1,823
1	Oxbow	1	747	4,065	3,852	—	960
1	Pennel	114	882	218,241	218,023	—	1,100
1	Pete Creek	1	193	96	212	—	77
2	Phatom	3	749	615	695	—	669
4	Pine	90	12,937	140,335	140,128	—	13,144
—	Pine, East	—	108	—	—	—	108
55	Pondera	258	8,506	19,034	18,565	—	8,975
6	Poplar	65	5,664	24,304	22,352	—	7,616
10	Poplar, Northwest	15	3,543	9,789	9,771	—	3,561
—	Prairie Elk	—	980	—	—	—	980
1	Prichard Creek	1	875	315	903	—	287
1	Putnam	2	515	2,720	2,037	—	1,198
7	Putnam, East	7	3,615	16,955	17,053	—	3,517
2	Rabbit Hills	2	2,059	3,539	4,295	—	1,303
7	Ragged Point	19	4,597	3,521	2,426	—	5,692
2	Rattler Butte	2	416	1,381	1,320	—	477
2	Rattlesnake Coulee	2	727	168	471	—	424
2	Raymond	5	2,102	13,480	13,585	—	1,997
1	Raymond, Northeast	1	1,452	2,373	2,687	—	1,138
4	Reagon	51	1,106	14,576	14,728	—	954
1	Red Creek	18	—	6,376	6,376	—	—
1	Red Fox	1	288	135	—	—	423
1	Redstone	1	398	782	749	—	431
1	Repeat	1	670	593	218	—	1,045
4	Reserve	4	1,230	2,446	1,809	—	1,867
2	Richey	3	430	1,403	1,382	—	451
1	Richey, Southwest	4	585	480	386	—	679
1	Ridgelawn	1	687	1,842	1,856	—	673
2	RipRap Coulee	2	822	1,067	1,310	—	579
1	Rocky Point	1	553	1,016	435	—	1,134
4	Rosebud	4	1,154	902	873	—	1,183
1	Rush Mountain	1	151	1,697	1,207	—	641
2	Salt Lake	3	360	846	186	—	1,020
2	Sand Creek	4	318	1,755	1,755	—	318
4	Second Creek	4	823	8,639	7,681	—	1,781
—	Sheepherder	—	669	—	—	—	669
1	Shotgun Creek, North	1	116	632	380	—	368
8	Sidney	8	2,639	10,290	9,116	—	3,813
1	Singletree	1	544	3,765	2,957	—	1,352
7	Sioux Pass	7	4,355	11,348	11,932	—	3,771
1	Sioux Pass, East	1	91	336	256	—	171
2	Sioux Pass, Middle	2	1,085	4,560	4,056	—	1,589
5	Sioux Pass, North	5	3,599	9,059	7,457	—	5,201
1	Snyder	3	883	388	196	—	1,075
8	Soap Creek	22	2,506	3,778	4,651	—	1,633
2	Soap Creek, East	3	763	1,860	1,911	—	712
3	South Fork	3	2,222	13,531	13,769	—	1,984
1	Spring Lake	2	1,560	265	914	—	911
1	Stensvad	2	1,687	35	—	—	1,722
24	Sumatra	91	10,619	107,292	107,792	(23)	10,142
3	Sunnyhill	3	1,113	1,916	2,204	—	825
—	Tippy Butte	—	243	—	—	—	243
5	Tule Creek	5	3,822	8,795	9,335	—	3,282
1	Tule Creek, East	1	1,118	920	910	—	1,128
1	Tule Creek, South	1	965	280	—	—	1,245
3	Utopia	9	1,152	1,751	1,597	—	1,306
9	Vaux	9	6,660	11,694	10,226	—	8,128
—	Vida	—	157	—	—	—	157
5	Volt	6	3,254	6,200	5,744	—	3,710
—	Wagon Box	—	80	—	—	—	80
1	Weed Creek	1	479	487	291	—	675
1	Weldon	1	1,939	1,045	832	—	2,152
—	West Butte	—	533	—	473	—	60
27	Whitlash	59	14,423	9,131	8,901	—	14,653
—	Whitlash, West	—	299	—	—	—	299
2	Willow Creek, North	2	646	314	493	—	467
1	Willow Ridge	3	—	385	385	—	—
3	Wills Creek, South	3	—	2,295	2,295	—	—
2	Winnett Junction	6	363	5,662	5,365	—	660
1	Wolf Springs	1	2,565	1,841	1,865	—	2,541
—	Womans Pocket	—	271	—	—	—	271
2	Woodrow	2	398	1,477	1,414	—	461
2	Wright Creek	3	1,257	435	723	—	969
—	Wildcat, McCone County	—	52	—	—	—	52
2	Wildcat, Richland County	2	—	1,906	1,740	—	166
—	Wildcat, Toole County	—	200	—	—	—	200
746	TOTAL	3,131	402,396	2,109,432	2,091,779	1,101	418,948

See back page for oil production, shipping and storage summaries.

NATURAL AND ASSOCIATED GAS WITHDRAWALS IN MONTANA AT 14.73 PSIA and 60° F.—MONTH OF FEBRUARY, 1979

Field	MC. Ft.
NATURAL:	
Alma	—
Arch Apex	33,107*
Battle Creek	309,036
Bear's Den	—
Big Coulee	161,573
Big Rock	127,767
Black Coulee	3,740
Blackjack	22,781
Bowdoin	551,849
Bowes	59,678
Brown's Coulee	167
Bullwacker & Area	111,996
Canadian Coulee	43,423
Cedar Creek	153,931
Chip Creek	853
Clark's Fork, North	—
Coal Coulee	3,862
Cut Bank	300,873
Dry Creek	97,295
Dry Creek, Middle	—
Dunkirk North	25,493
East Chinook	—
Flat Coulee	15,270
Fred & George	9,893*
Fresno	27,373
Gold Butte	—
Grandview	28,199
Gypsy Basin	36,500
Hardin	1,339
Haystack Butte	17,810
Highview	14,214
Keith Block	62,829
Kevin Sunburst	48,484
Kevin Sunburst Nisku & Area	6,770
Kicking Horse	16,179
Kinyon Coulee Area	4,988
Lake Basin	7,782
Ledger	16,211
Leroy	89,616
Liscom Creek	—
Lohman	—
Middle Butte	17,421
Miners Coulee	33,081
Mt. Lilly	12,657
Phantom	53,158
Plevna	2,451
Prairie Dell	48,594
Pumpkin Creek	—
Rapelje	7,990
Rocky Boy Area	8,245
Rudyard	66,980
Sage Creek	1,260
Sawtooth Mountain & Area	123,932
Sherard	64,148
Snoose Coulee	8,739
South Devon	14,234
South Shelby	24,669
Strawberry Creek Area	6,144
Swanson Creek	3,675
Tiger Ridge	1,201,165
Trail Creek	—
Utopia	45,845
West Butte	—
Whitlash	56,337
Willow Ridge	9,607
TOTAL NATURAL GAS	4,221,213

Field	MC. Ft.
ASSOCIATED:	
Bell Creek	39,678
Big Muddy Creek	1,857
Blue Hill	737
Clark's Fork South	4,842
Cabin Creek	12,010
Coral Creek	253
Culbertson	—
Eagle	134
Elk Basin	4,111
Fairview	16,373
Four Mile Creek	4,378
Four Mile Creek, West	4,721
Glendive	150
Mon Dak West	53,670
Otis Creek	3,620
Pennel	3,123
Pine	253
Richland	37,616**
Sioux Pass	9,305
Sioux Pass, East	252
Sioux Pass, Middle	3,475
Sioux Pass, North	4,904
Sumatra	6,225
Tule Creek	3,005**
TOTAL ASSOCIATED GAS	214,692
TOTAL WITHDRAWALS	4,435,905

Total withdrawals for February, 1978 were 3,940,88 MCF.

*This figure has been included in the Whitlash Field.

**Includes such fields as Benrud, Brorson, Ft. Gilbert, Hay Creek, Lone Butte, Lone Tree, Red Fox & Second Creek.

Total oil produced and Shipped from Leases	Bbls. Produced	Daily Average	Bbls. Shipped	Daily Average
Year, 1978	30,429,188	83,368	30,316,941	83,060
January, 1979	2,446,355	78,915	2,471,244	79,718
February, 1979	2,109,432	75,337	2,091,779	74,706

Oil in Storage	In Producers Field Tanks	In Transporters Storage	In Refiners Storage	Total In Storage
December	428,559	1,432,743	1,494,144	3,355,446
January, 1979	402,396	1,449,574	1,693,174	3,545,144
February, 1979	418,948	1,437,673	1,552,935	3,409,556